DSPX Interface (for Non-Amplified Vehicles with Pre-Wired Harness) Fits Ford 2020-Up

INTERFACE FEATURES

- Designed for non-amplified models
- Includes a DSP (Digital Signal Processor)
- Selectable 31 Band Graphic EQ or 5 Band Parametric EQ
- 10 individually assignable outputs
- Independent equalization on each of the 10 outputs
- Independent high pass, low pass, and band pass filters
- Each channel can be delayed independently up to 10ms
- Easy behind the radio installation with pre-wired harness
- Bass knob included for level control of subwoofer amp

(Features continued on next page)

INTERFACE COMPONENTS

- AXDSPX-FD3 interface
- AXDSPX-FD3 interface harness
- AXDSPX-FD3 vehicle T-harness • Bass knob

APPLICATIONS

Visit **AxxessInterfaces.com** for current application list

www.MetraOnline.com

For **Dash Disassembly Instructions,** refer to metraonline.com. Enter the year, make, and model of the vehicle in the **Vehicle Fit Guide** for **Radio Install kits.**

TABLE OF CONTENTS

TOOLS & INSTALLATION ACCESSORIES REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink • Tape • Wire cutter
- Zip-ties • Multimeter

Google Play Store
Android 9 or higher

Apple App Store
iOS 12.1 or higher

INSTALLATION OPTIONS

Adding a subwoofer to a factory system:

The diagram on **Page 3** shows the connections that need to be made to add a subwoofer to the factory system.

Note: RCA jacks sold separately.

Adding a full-range of amps and subwoofer to a factory system:

The diagram on **Page 4** shows the connections that need to be made to add: Subwoofer (RCA jacks sold separately)

Amplifier (SPDT **relay E-123** required) or

Additional Amp (RCA jacks sold separately).

Note: The interface provides a 12-volt 1-amp output to turn on aftermarket amp(s). If installing multiple amps, an SPDT automotive relay will be required if the amp turn-on current of all amps combined exceeds 1-amp. Use Metra part number E-123 (sold separately) for best results.

FEATURES CONT.

- Settings adjusted via Bluetooth® in a smart device application (tablet or mobile phone), compatible with both Android and Apple devices
- Read, write, and store configurations for future recall
- Password protect feature available in the mobile app
- USB Micro B updatable

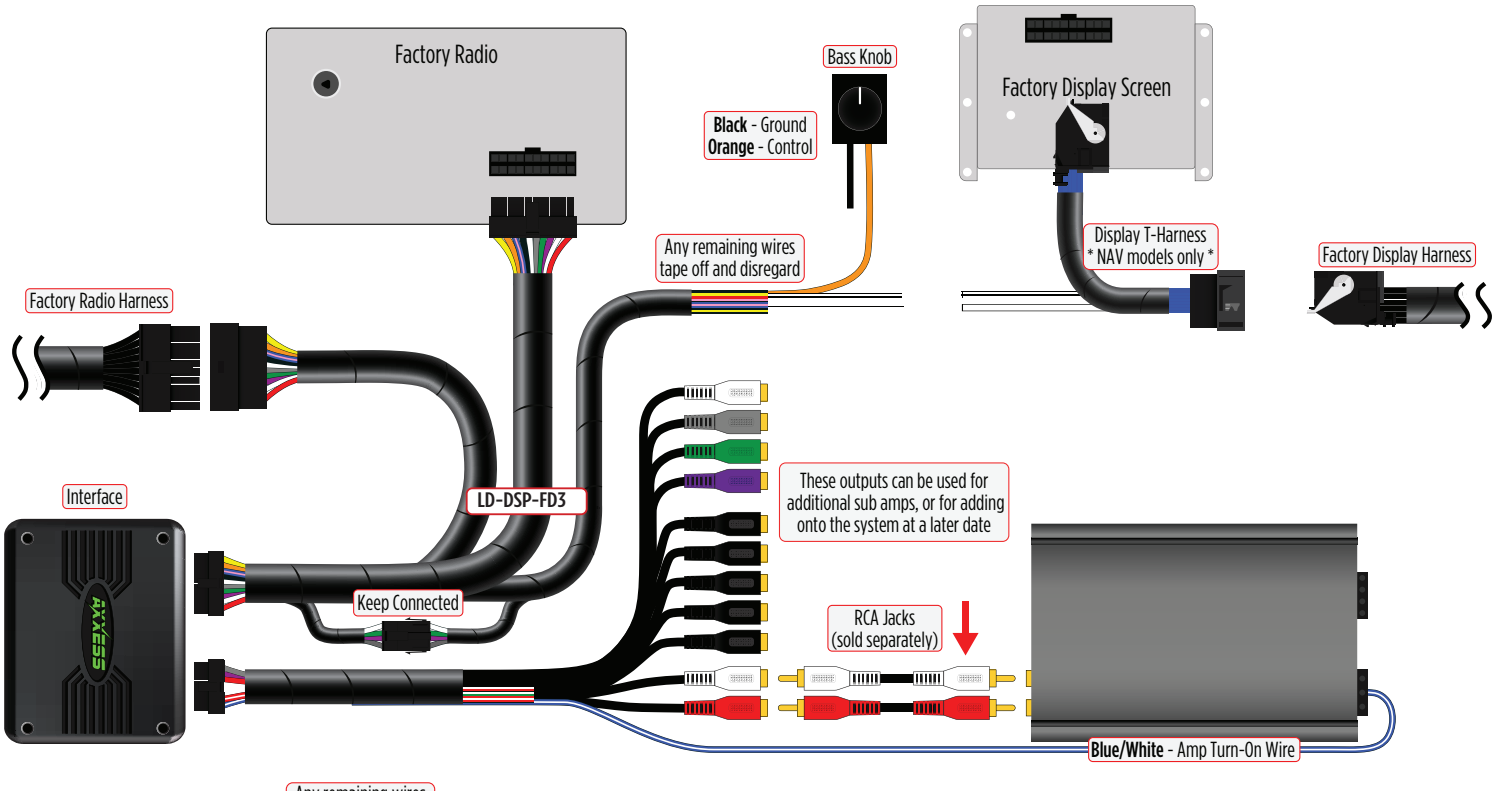
INSTALLATION

1. Disassemble the dash, unplug all connectors, and then remove the factory radio.†
2. Install the **AXDSPX-FD3 vehicle T-harness** to the vehicle and make all necessary connections, but leave the amp turn-on wire disconnected.
3. Plug the **AXDSPX-FD3 vehicle T-harness** to the **AXDSPX-FD3 interface**.
4. Plug the **AXDSPX-FD3 interface harness** to the **AXDSPX-FD3 interface**.
5. Download and install the **AX-DSP-XL app** from the **Google Play Store** or **Apple App Store**.
6. Open the app then select the **Bluetooth Connection** tab. Follow the instructions to pair the mobile device to the interface. Refer to page 6 for more information.
7. Scroll to the **Configuration** tab then select the vehicle type. Press the **Lock Down** ‡ button to save the configuration. Refer to page 7 for more information.
8. Connect the amp turn-on wire.
9. Adjust the settings in the app as desired. Press the **Lock Down** ‡ button to save any new configurations.

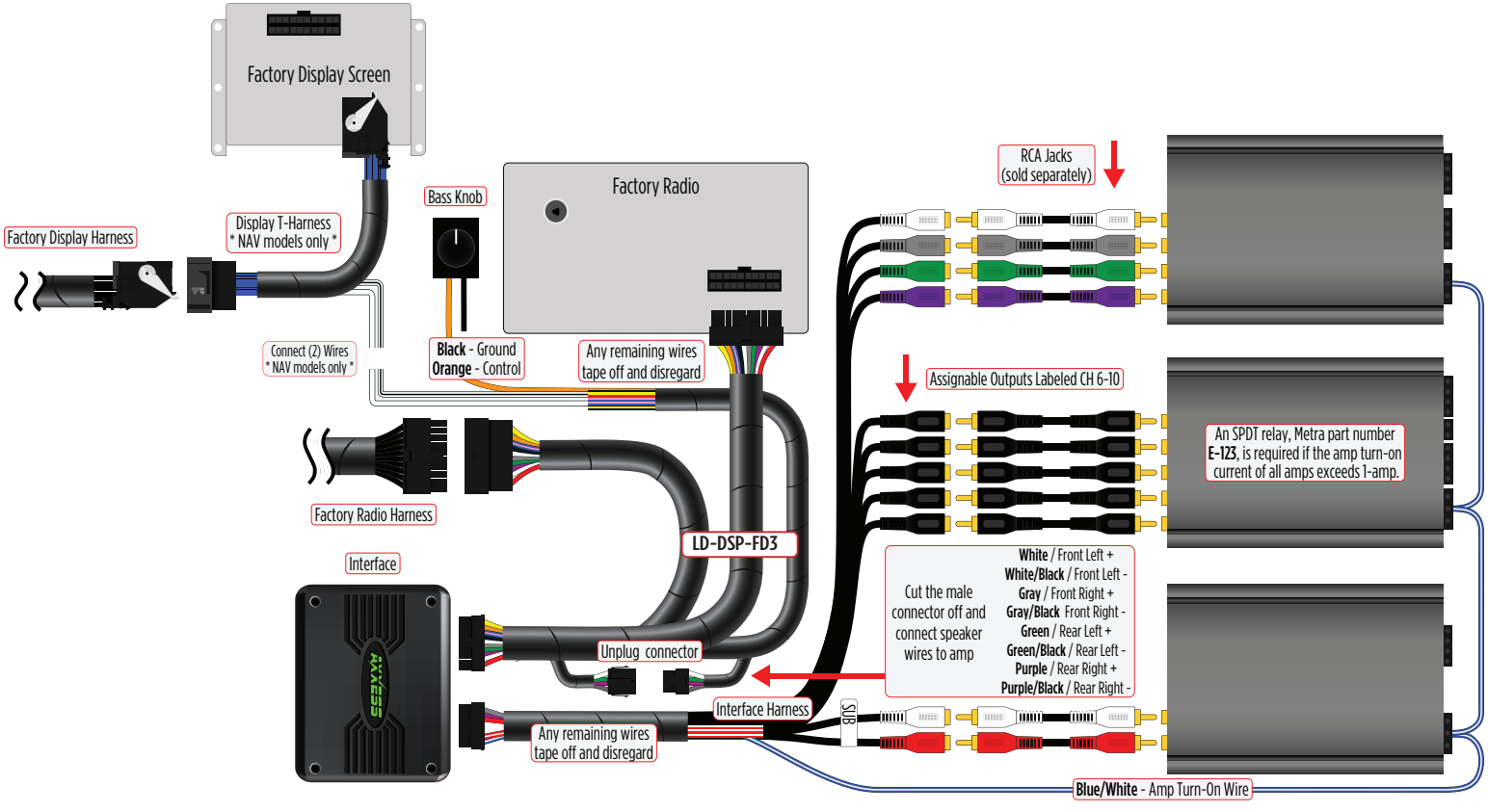
† For dash disassembly instructions, refer to metraonline.com. Enter the year, make, and model of the vehicle in the Vehicle Fit Guide and find instructions under Metra Radio Install kits.

‡ Anytime the interface is locked down the key must be cycled off then back on.

ADDING A SUBWOOFER TO A FACTORY SYSTEM



ADDING A FULL-RANGE AMP & SUB TO A FACTORY SYSTEM

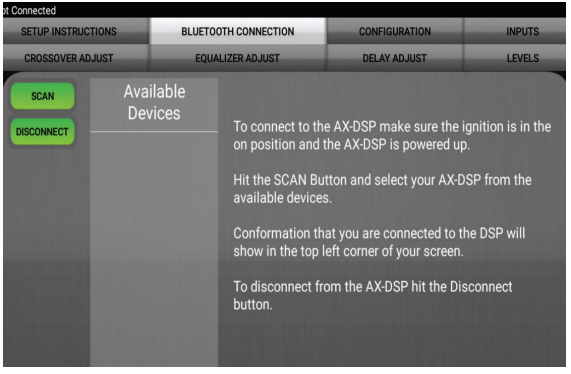


QUICK SETUP STEPS THROUGH AXDSP-XL APP

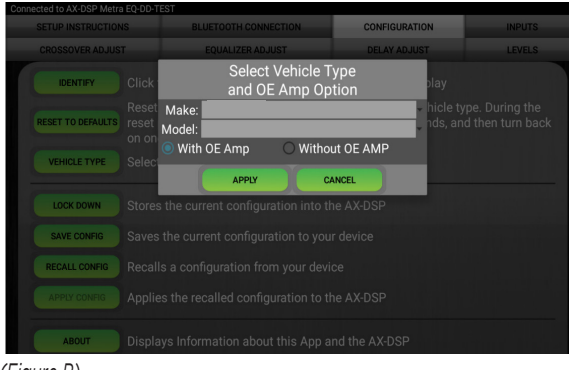
Google Play Store
Android 9 or higher

Apple App Store
iOS 12.1 or higher

1. Download and install the AXDSP-XL app from the **Google Play Store** or **Apple App Store**.
2. Turn Vehicle Ignition on. Make sure the Remote Turn on lead is disconnected.
3. Open the app: Select **Bluetooth Connections** page.
   - Select **Scan,** all available AXDSP devices within range will be displayed. Select your AXDSP and hit connect. (Figure A)
4. Select the Configuration page.
   - Select **Vehicle Type** Icon
   - Select the Vehicle Make:_____ (Example: **FORD**)
   - Select the Vehicle's model: _____ (Example: **F150**)
   - Select **With OE Amp**
   - Hit **Apply** (Figure B)
5. Make sure radio volume is all the way down.
6. Connect the amp turn-on wire from the **AXDSPX-FD3 T-harness** to the aftermarket amplifiers.



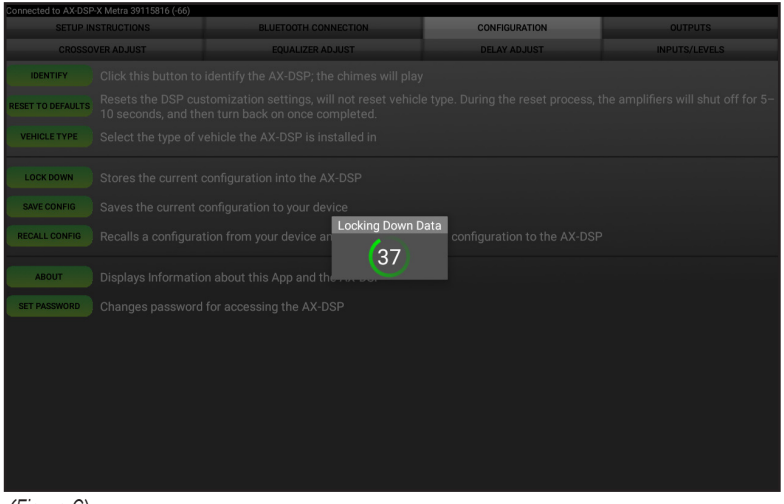
(Figure A)



(Figure B)

7. From the **Configuration** page click the **Identify** button to confirm that the **AXDSPX-FD3** is connected properly. If so, a chime will be heard from the front left speaker.
8. Press the **Lock Down** button to save the configuration. (Do not turn ignition off until this process is completed) (Figure C)
9. Select the **Bluetooth Configurations** page and disconnect the DSPX.
10. Turn ignition off, close all door then lock vehicle using the key fob. The vehicle will need to sit uninterrupted for 10 minutes while the vehicle goes to sleep. (Make sure Key fob is 15 feet away from the vehicle)
11. Unlock Vehicle, turn ignition on and test radio's functions.
12. Adjust the DSP settings in the app as desired. Refer to the instructions under the **Setup Instructions** tab, or online at **Axxessinterfaces.com** for an explanation of each tab in the app.

Locking Down Data



(Figure C)

Last and the most important:

You MUST lock down your configuration and cycle the key!!!

SPECIFICATIONS

Input Impedance	1M Ohm
Input Channels	6
Input Options	High Level or Low Level
Input Type	Differential balanced
Input Voltage (high level range)	0 - 28-volts (peak-to-peak)
Input Voltage (low level range)	0 - 4.9-volts (peak-to-peak)
Ouput Channels	10
Output Voltage	Up to 5-volts RMS
Output Impedance	50 Ohms
Equalizer Type	31 Band Graphic EQ, +/- 10dB

THD	<0.03%
Frequency Response	20Hz - 20kHz
Crossover	3-Way LPF, BPF, HPF THP per channel
Crossover Type	Linkwitz-Riley 24db slope
Sampling	48kHz
S/N Ratio	105dB @ 5-volts RMS
Operating Voltage	10-16 volts DC
Standby Current Draw	7mA
Operation Current Draw	150mA
Adjustments/Controls	Application via Bluetooth
Remote Output	12 volts DC (signal sense) or ignition on

Having difficulties? We're here to help.

Contact our Tech Support line at:
386-257-1187

Or via email at:
techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM
Saturday: 10:00 AM - 5:00 PM
Sunday: 10:00 AM - 4:00 PM

Visit AxxessInterfaces.com for more detailed information about the product and up-to-date vehicle specific applications

Speaker Assignment

Metra recommends MECP certified technicians